From: Henning, Alan
To: Wu, Jennifer
Sent: 9/16/2014 10:54:00 AM
Subject: FW: USGS longitudinal study of pesticides in waterways
Attachments: The Contrast.docx

Jenny,

FYI, this report is not relevant to the CZARA issue in Oregon. There were four sampling sites from Oregon in this study. They were all in the Willamette Valley: one in Portland, two in the ag area N.E of Salem and one south of Portland. The study seems to focus on ag, urban, and the ag/urban interface. The majority of the samples were collected in the mid-west and east coast region. It is important to read the details of the study to better understand how it is relevant to our current work.

Talk with you later.

Alan

From: Carlin, Jayne
Sent: Monday, September 15, 2014 3:55 PM
To: Liu, Linda; Carvalho, Gabriela; Waye, Don; allison.castellan@noaa.gov
Cc: Henning, Alan; Wu, Jennifer
Subject: FYI: USGS longitudinal study of pesticides in waterways

From: Croxton, Dave
Sent: Monday, September 15, 2014 10:41 AM
To: Opalski, Dan; Psyk, Christine; Schary, Claire; Fullagar, Jill; Livingstone, Gail; Henning, Alan; Carlin, Jayne; Wu, Jennifer; Mann, Laurie; Turvey, Martha; Ramrakha, Jayshika; Rueda, Helen; Stewart, William C.; Woodruff, Leigh
Subject: USGS longitudinal study of pesticides in waterways

Good article showing over a 20-year period that risks from pesticides:

1) Have decreased substantially to humans in all stream types;
2) Have remained unchanged to aquatic life in agricultural and mixed-use streams;
3) Have increased substantially to aquatic life in urban streams.

http://www.nytimes.com/2014/09/12/us/pesticide-levels-in-waterways-have-dropped-reducing-the-risks-to-humans.html?module=Search&mabReward=relbias%3Ar%2C%7B%222%22%3A%22RI%3A17%22%7D